

## SUMMARY OF EXISTING DATA EQUIPMENT

Data Set Code	Speed	Transmission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements					Interface Circuitry		References		
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Un-at-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	P.S.P.
101A Trans. Rcvr.	Capable up to about 150 B/Sec.-(45 B/Sec. with initial TWX)	FM; Serial	-	+	3-row TWX	-	#Narrow	Yes	Yes	Yes	Yes	Integrated (with 28 machine separate with 15 and 19 machine)	Yes	71025	6756 6896	591-012-100 591-012-200 591-012-300 103-231-100 103-231-500	
101B Trans. Rcvr.	"	"	-	+	"	More easily convertible to 101C than is 101A	"	"	"	"	"	"	"	3D006	6799 6952	591-012-100 591-012-200	
101C Trans. Rcvr.	Capable up to 150 B/Sec.	"	-	Now	4-row TWX	Supplied by updating 101B or utilizing salvaged 101A components in skeleton 101C (101C LA)	"	"	"	"	"	"	"	3D007	7040	591-013-100 591-013-200 591-013-300	
101E Rcvr.	"	"	-	"	Rec. only TWX Ext.	Modified 101A	"	"	"	"	"	"	"	3D016		591-021-100, 200,300,500	
102A Trans. Rcvr.	Up to 75 B/Sec.	"	-	MD	Low speed serial data; e.g., Friden "Teledata"	Supplanted by 103A	Voice	"	Yes	"	"	Separate	"		6670		
103A1 Trans. Rcvr.	** Up to 300 B/Sec.	"	-	Now	% Customer-provided terminal equipment on TWX	Inverted frequency assignments	**Voice or TWX	"	No	"	"	Separate 804B1	No	1D034	7129	591-014-100 591-014-200 591-014-300 591-014-500	
103A2 Trans. Rcvr.	"	"	-	"	DATA-PHONE Service	Upright frequency assignments	Voice	"	"	"	"	"	"		7397	"	
103B Trans. Rcvr.	"	"	-	A&M only	Private line version of 103A	-	"	"	"	"	"	None	Yes	1D045		591-015-100 591-015-200 591-015-300 591-015-500	
103E Trans. Rcvr.	Up to 300 Bauds	"	-	-	DATA-PHONE Service TWX (M37)	-	"	"	No	"	"	Electronics Pkg. Only	No	1D147	155	591-025-100 591-025-101 591-025-201 591-025-301 591-025-501	
103F2 Trans. Rcvr.	Indefinite upper limit - about 300 B/Sec.	"	-	Now	PL version of 103A	-	"	"	"	"	"	None	Yes	1D445	7343	591-019-100 591-019-200 591-019-300 591-019-400 591-019-500	
103G Trans. Rcvr.	Up to 300 Bauds	"	Now	-	DATA-PHONE Service	Integrated Housing	Voice	"	"	"	"	Integrated	"	1D096	155	591-026-100 591-026-200 591-026-300 591-026-500	
103H Trans. Rcvr.	"	"	"	"	"	Integrated into Terminal	"	"	"	"	"	No	"	1D121	155	591-027-100 591-027-200 591-027-300 591-027-500	
105A Trans. Rcvr.	Capable up to 150 B/Sec.	"	-	A&M only	4-row TWX	-	#Narrow	"	"	"	"	Yes		3D008	7060	591-018-100 591-018-200 591-018-300	

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# Designation as narrow band refers to a set that uses only a portion of the voice band and may share the voice band with other similar sets by means such as the B-1 type data terminals.

\*\* When used on TWX facilities, the transmission rate is limited to 150 B/Sec.

+ No longer in manufacture but available in "C" stock.

§ See PEL 7397 for more complete description of use.

Data Set Code	Speed	Transmission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements					Interface Circuitry		References		
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	B.S.P.
• 108AI Trans. Rcvr.	Up to 150 Bauds	FM; Serial	Now	Now	PL, TTY & CPT	Requires DAS 820D or E Voice Works on 2-Point Loops with 108B at Hub office or 108C at another station	"	Yes	Yes	Yes	-	No	Provided by DAS 820D or 820E or appropriate BS Controller	30024	58	591-023-100 591-023-101 591-023-103 591-023-200 591-023-201 591-023-203 591-023-300 591-023-301 591-023-501 591-023-503	
108B1 Trans. Rcvr.	"	"	-	"	Installed at Hub office used on loop with 108A	Requires DAS 811C at Hub office	"	"	"	-	-	"	Provided by DAS 811C	70942	58	312-800-100 312-800-300 312-800-500	
108C1 Trans. Rcvr.	"	"	-	"	PL, TTY & CPT used for station-to-station loops with 108A	Requires DAS 820D or E	"	"	"	Yes	-	"	Provided by DAS 820D or 820E or appropriate BS Controller	30024	58	591-023-100 591-023-101 591-023-103 591-023-200 591-023-201 591-023-203 591-023-300 591-023-301 591-023-501 591-023-503	
• 108D1 Trans. Rcvr.	"	"	4Q69	"	Requires DAS 820D or E or Type - 3 low Voltage Hub	"	"	"	"	"	-	"	"	"	"	"	
109A1 Trans. 150 B/Sec. Rcvr.	RMA Polar DC; Serial	-	"	PL, TTY & CPT	HDX only requires DAS works on 2-point 820D or E. Has lightning protection	820D or E	DC	"	No	"	No	"	Provided by DAS 820D or 820E or appropriate BS Controller	30025	58	591-024-100 591-024-101 591-024-102 591-024-103 591-024-201 591-024-202 591-024-203	
109A2 Trans. Rcvr.	"	"	-	"	HDX only requires DAS 820D or E has no lightning protection	"	"	"	"	"	"	"	"	30025	58	591-024-100 591-024-101 591-024-102 591-024-103 591-024-201 591-024-202 591-024-203	
109B1 Trans. Rcvr.	"	"	-	"	PL, installed at Hub office. Used on loop with 109A	HDX only requires DAS 811C at Hub office has lightning protection	"	"	"	-	-	"	Provided by DAS 811C	70944	58	312-802-100 312-802-300 312-802-500	
109B2 Trans. Rcvr.	"	"	-	"	Same as 109B1 except 109B2 has no lightning protection	"	"	"	-	-	"	"	"	70944	58	312-802-100 312-802-300 312-802-500	
• 109C1 Trans. Rcvr.	Up to 150 Bauds	RMA Polar DC; Serial	-	4Q69	In PL, Telegraph Systems	HDX only requires Special TTY	"	"	No	Yes	No	No	Yes	No	"	"	
• 109D1 Trans. Rcvr.	"	"	-	4Q69	Limited distance serv. incl. DATATEX and PL	"	"	"	"	"	"	"	Same as 108A	"	"	"	
112A Trans. Up to 300 B/Sec. Rcvr.	FM; Serial Originate only	-	"	DATA-PHONE	Acoustically coupled HDX/FDX	Voice	-	-	Yes	No	"	No	Yes	ID168	269	591-032-100 591-032-200 591-032-300 591-032-500	
113A Trans. Rcvr.	"	"	-	Now	"	Time-sharing type applications FDX	"	Yes	No	"	-	"	"	ID167	244	591-033-100 591-033-150 591-033-200 591-033-300 591-033-500	

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Data Set Code.	Speed	Trans-mission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements					Interface Circuitry		Referenced		
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Un-attended	Tel. Set	Contact Closure	Voltage	ED	PCL or EL	B.S.P.
6 X114A Trans.	-	-	Now	-	Xmits steady or interrupted 1900Hz tone depending upon monitored contact status	To be installed on 2-ptx. line or data only line	Voice	Yes	No	No	Yes	No	Yes	No	ID141-01	-	591-030-100
201A Trans. Rcvr.	2000 B/Sec.	PM; Serial	-	Now	DATA-PHONE Service	Fixed bit rate, clocked internally or by associated bus. machine	"	"	Yes	Yes	"	Uses 804A	Optional	1D070	7405	592-011-101 592-011-201 592-011-301 592-011-501	
201B1, B2 Trans. Rcvr.	2400 B/Sec.	"	-	MD	PL	Fixed bit rate, clocked internally or by associated bus. machine	"	"	"	"	"	Separate	Yes	1D015	-	592-012-102 592-012-202 592-012-302 592-012-502	
201B3, B4 Trans. Rcvr.	"	"	-	Now	"	"	"	"	"	"	"	Uses 804A	Optional	1D070	-	592-011-101 592-011-201 592-011-301 592-011-501	
202A Trans. Rcvr.	Up to 1800 B/Sec.	FM; Serial	-	MD	DATASPEED; or customer-provided terminal equipment	2-wire operation only	"	"	No	"	"	Integrated	Yes	1D003-01	6360	592-013-100 592-013-200 592-013-300 592-013-400 592-013-500	
202B Trans. Rcvr.	"	"	-	"	"	2-wire or 4-wire operation	"	"	Yes	"	"	Separate (If req'd)	Yes	1D019-01	6860	592-014-100 592-014-200 592-014-300 592-014-400 592-014-500	
202C Trans. Rcvr.	Up to 1800 B/Sec. in PLS; up to 1200 B/Sec. in DATA-PHONE Svc.	"	Now	Medium speed serial data	Supersedes Data Set 202A optional reverse chan., compatibility W/ACU's, RS-232A Interface	"	"	Yes / KTU	"	"	"	Integrated	Yes	1D048-01	7287	592-015-100 592-015-200 592-015-300 592-015-400 592-015-500	
202D Trans. Rcvr.	"	"	-	"	"	Supersedes Data Set 202B optional reverse chan., compatibility W/ACU's, RS-232A interface	"	"	Yes	"	"	Uses 804A	Yes	1D049-01	7287	592-016-100 592-016-200 592-016-300 592-016-400 592-016-500	
202E1 Trans.	Up to 1200 B/Sec.	"	"	"	"	"	"	"	No	"	No	Integrated	Spec. Opt.	Yes	1D078-01	592-018-100 592-018-150 592-018-200 592-018-300 592-018-500	
202E2 Trans.	"	"	-	"	"	Has reverse channel	"	"	"	"	"	"	"	Yes	1D078-01	592-018-100 592-018-150 592-018-200 592-018-300 592-018-500	
202E7 Trans.	"	"	-	"	"	"	"	"	"	"	"	"	"	"	1D078-01	592-018-100 592-018-150 592-018-200 592-018-300 592-018-500	
202E3 Trans.	"	"	MD	"	Replaced by standard 202E9	"	"	"	"	"	"	"	"	"	1D078-01	592-018-100 592-018-150 592-018-200 592-018-300 592-018-500	

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			Model Shop	Regular				2-Wire	4-Wire	Attended	Unattended	Tel. Set	Contact Closure	Voltage	S	P.L. or EL
20289 Trans.	Up to 1200 B/Sec.	FM; Serial	Now	Medium speed serial	Has reverse channel	Voice	Yes	No	Yes	Yes	Integrated	Yes	1BX78-01	592-012-100 592-012-150 592-012-200 592-012-250 592-012-500	592-012-100 592-012-150 592-012-200 592-012-250 592-012-500	
X202F Trans.	Up to 600 B/Sec.	"	"	"	Has a one-number dialer coupled to it	"	"	"	No	"	Separate	Yes	"	Optional	"	Trial Instruction No. 2/3
20262 Trans. (List 1)	"	"	Now	"	Acoustically coupled with reverse channel	"	"	"	Yes	No	No	"	"	Yes	"	Trial Instruction No. 2/1
202A Trans. Revr. (Lists 2, 3, 4, 5 & 6)	L2 - 2400, 4800 & 7200 BPS	Multi-Level AM VSB	Now	High Speed serial	L3 & 4 - 2 or 4-wire operation L2, 5 & 6 - 4-wire operation only.	L3 & 4 on DDD at 1200 & 150 BPS secondary channel can be used as a simultaneous channel with L2 & 4 only.	Yes Yes	Yes	Yes	Yes	Yes	No	No	Yes	ID151- (RS232B) 01	592-019-100 592-019-150 592-019-200 592-019-250 592-019-500
202B Trans. (Lists 2, 3, 4, 5 & 6)	L3 - 1800, 3600 & 5400 BPS	"	"	"	1200 & 150 BPS	1200 & 150 BPS	12,4 A1L	No Lists	using 80MA or 804M	"	"	"	"	"	ID152- 01	592-019-100 592-019-150 592-019-200 592-019-250 592-019-500
202C Trans. Revr. (Lists 2, 3, 4, 5 & 6)	L4 - 2400, 4800 & 7200 BPS	"	"	"	3600 & 5400 BPS	3600 & 5400 BPS	2,5 or 6	"	"	"	"	"	"	"	ID153- 01	592-019-100 592-019-150 592-019-200 592-019-250 592-019-500
202D Trans. Revr. (Lists 2, 3, 4, 5 & 6)	Same as above	"	"	"	6400 & 9600 BPS	6400 & 9600 BPS	4,6	"	"	"	"	"	"	"	ID154- 01	592-019-100 592-019-150 592-019-200 592-019-250 592-019-500
202E Trans. Revr. (Lists 2, 3, 4, 5 & 6)	1200 or 2400 B/Sec.	FM; Serial	-	MD	Military-S.W. sys. 307	Replaced by 20502	Voice	"	Yes	"	"	"	S.W. sys. 307	"	ID054	592-017-100 592-017-150 592-017-200 592-017-500
205B1 Trans. Revr.	600, 1200, or 2400 B/Sec.	"	"	"	Military-P.L. only no voice	Replaced by 205B2	"	No	"	"	"	"	No	"	1BX85 1882	592-017-100 592-017-150 592-017-200 592-017-500
205B2 Trans. Revr.	"	"	-	Now	Military-4-wire switched svc. or PL	Replaces 205B1 compatible W/ACU 801C4	"	"	"	Yes	Yes	804M	"	"	ID055	592-017-100 592-017-150 592-017-200 592-017-500
205C2 Trans. Revr.	1200 or 2400 B/Sec.	"	-	"	Military S.W. sys. 307	Replaces 205A	"	Yes	"	"	No	"	S.W. sys. 307	"	ID087 7559	592-017-100 592-017-150 592-017-200 592-017-500
207B, C Trans. Revr.	150, 300, 600, 1200, 2400 B/Sec.	"	-	Limited Quantities now	Military S.S. 309	Military crypto service	"	No	"	"	"	"	S.S. 309	"	ID108	77
301B Trans. Revr.	40.8 Kilo B/Sec.	"	-	Now	High-speed tape-to-tape systems	Fixed bit rate, internal or external clock when used with DAM 506B, provides interface similar to that of Data Set 203 type.	"	"	"	"	"	"	Separate	"	ID033	7140 7322
303B( )** Trans. Revr.	Minimum sig. element width 52 micro-seconds	Vestigial sideband	"	"	Serial non-synchronous machines such as facsimile equipment	Requires Data Aux. Set 809B (VSB Modem) also requires Data Aux. band 200-2048 KHz and Data Set 10451 when used with certain FAX equipment, uses KS200181U(') cabinet	Half group band	"	Yes	"	Uses 804	"	"	"	ID030 1000 ID030 1000 ID030 1000 ID030 1000 ID030 1000	593-000-100 593-000-150 593-000-200 593-000-250 593-000-500

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~~Available in synch and nonsynch with various features. See PEL 7516 for codes, spectral synch speeds of 200 kB/s (2032), 40.8 kB/s (2033), and 12.73 kB/s (2034).~~

% Interface is on a current basis because of the low impedance used.

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Data Set Code	Speed	Transmission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements				Interface Circuitry		References			
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	B.S.P.
30JB( )**	19.2 kilobits per sec. synch	Vestigial sideband	-	Now	Serial synchronous machines such as MAG tape equipment	Same as nonsynch above	Half group band	Yes	Yes	Yes	Uses 804A	%	1D0100 1D060	7516 EM241	593-800-100 593-800-200 593-800-300 593-800-500		
30JC( )**	Minimum sig. element width 20 micro-seconds nonsynch for 2-level fax signals	Restored polar	-	"	Same as non-synch above	Requires Data Aux. Sets Group 806B7 and 804A type and Data Set 404B1 when used with certain FAX equipment. DATA-PHONE 50 station may use DS 103E2 for FAX uses KS20018L( ) cabinet.	"	"	"	"	"	%	1D0100 1D060	7516 EM241	593-800-100 593-800-200 593-800-300 593-800-500		
30JC( )**	50 kilobits per sec. synch	Restored polar	-	"	Serial synchronous machines such as MAG tape equipment	Requires Data Aux. Sets Group 806B7 and 804A type. Synchronous version can operate synchronously or nonsynchronously uses KS20018L( ) cabinet	"	"	"	"	"	%	1D0100 1D060	7516 EM241	593-800-100 593-800-200 593-800-300 593-800-500		
30JD( )**	Minimum sig. element width 4.2 micro seconds non-synch for 2-level fax signals	"	-	"	Serial nonsynchronous machines such as facsimile equipment	Same as nonsynch 30JC	Super group band	"	"	"	"	"	%	1D0100 1D060	7516 EM241	593-800-100 593-800-200 593-800-300 593-800-500	
30JD( )**	230.4 kilobits per sec. synch	"	-	"	Same as synch above	Same as synch 30JC	"	"	"	"	"	"	%	1D0100 1D060	7516 EM241	593-800-100 593-800-200 593-800-300 593-800-500	
401B Revr.	Up to 20 characters /Sec.	2/8 parallel	-	Manufacture discontinued	Trans. of numer. data, e.g., IBM 1001, Raytheon "Dataray" sys.	Answer-back	Voice	Yes	No	"	"	Separate	Yes	No	1D002	6794	594-011-100 594-011-200 594-011-300 594-011-500
401C Trans.	"	3/12 parallel	-	None plnd.	Transmission of alpha-numeric data	Electrical answer-back	"	"	"	"	No	"	"	"	1D004		Trial instruction No. 163
401D Revr.	"	"	-	"	Supplanted by 401J	"	"	"	"	Yes	"	"	"	"	1D002		594-011-100 594-011-200 594-011-300 594-011-500
401F Revr.	Up to 20 characters /Sec.	3/14 parallel	-	Manufacture discontinued	Transmission of alpha-numeric data	Answer-back; remote testing - replaced by 401J	Voice	Yes	No	Yes	"	Separate (513B-61)	Yes	No	1D018	7022	594-015-100 594-015-200 594-015-300 594-015-500
X401G Trans.	"	"	Now		Transmission of numeric data	Electrical answer-back	"	"	"	"	No	Integrated	"	"			Trial instruction No. 291
401H1 Trans.	"	"	-	"	Transmission of telemetry type data	Auto. answer	"	"	"	No	Yes	Separate	"	"	1D138	7396	594-022-100 594-022-200 594-022-300 594-022-500

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\*\* Available in synch and nonsynch with various features. See PEL 7516 for codes, special synch speeds of 200 KB/s (303E), 40.8 (303G), and 18.75 KB/s (303H) which are also available.

Data Set Code	Speed	Transmission Mode	Availability*		Model Shop	Use	Remarks	Line Bandwidth Required	Equipment Arrangements					Interface Circuitry		References		
			Regular	Shop					2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PFL or EL	R.S.P.
401R2 Trans.	Up to 20 characters /sec.	3/14 parallel	-	Manufacture discontinued	Transmission of telemetry type data	Auto. answer	Voice	Yes	No	No	Yes	Separate	Yes	No	1D028	7396	594-022-100 594-022-200 594-022-300 594-022-500	
● 401H3 Trans.	"	"	-	"	"	"	"	"	"	"	"	"	"	"	1D028	7396	594-022-100 594-022-200 594-022-300 594-022-500	
● 401H4 Trans.	"	"	-	Now	"	Selective ringing; modular family; will replace 401H3	"	"	"	"	"	"	"	"	1D028	219 7396	594-022-100 594-022-200 594-022-300 594-022-500	
● 401H5 Trans.	"	"	-	"	"	3 contact electrical answer-back plus 401H4 functions	"	"	"	"	"	"	"	"	1D028	219 7396	594-022-100 594-022-200 594-022-300 594-022-500	
401J1 Revr.	"	"	-	Manufacture discontinued	Reception of alphanumeric data	Answer-back ring indicator, compatibility w/ ACU, more comprehensive remote test, integrated, 600 ohm or 900 ohm term.	"	"	"	Yes	"	Integrated	"	"	1D022	7340	594-018-100 594-018-200 594-018-300 594-018-500	
401J2 Revr.	"	"	Now	"	"	"	"	"	"	"	"	"	"	"	1D064	7383	594-018-100 594-018-200 594-018-300 594-018-500	
401J3 Revr.	"	"	"	Reception of numeric data	Voice answer-back	"	"	"	"	"	"	"	"	"	1D064	7383	594-018-100 594-018-200 594-018-300 594-018-500	
401J4 Revr.	"	"	"	"	Identical to 401J2 except has TOUCH-TONE dial	"	"	"	"	"	"	"	"	"	1D064		594-018-100 594-018-200 594-018-300 594-018-500	
401J5 Revr.	"	"	"	"	Identical to 401J3 except has TOUCH-TONE dial	"	"	"	"	"	"	"	"	"	1D064		594-018-100 594-018-200 594-018-300 594-018-500	
● 401LL Trans.	"	"	-	"	Alarm Reporting	Uses built-in one No. dialer	"	"	"	No	"	"	"	"	1D089	241	594-027-100 594-027-200 594-027-300 594-027-500	
● 401L2 Trans.	Up to 20 characters /sec.	"	-	"	"	3 contact electrical answer-back in addition to 401LL functions	"	"	"	"	"	Separate	"	"	1D089	241	594-027-100 594-027-200 594-027-300 594-027-500	
● 401M-Type Trans. Basic List Numbers	"	"	-	-	L1-Basic Data Set includes housing, tel. set with rotary dial, line cord, and A&B group oscillator	"									1D194			
● L1	"	"	-	-	L1A - Same as L1 except has TOUCH-TONE dial	"												
● L2	"	"	-	-	L2 - Adds C group oscillator	"									1D060-01 J207			
● L3	"	"	-	-	L3 - Voice answerback	"												
● L4	"	"	-	-	L4 - Tone answerback	"												

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	B.S.P.
<b>Authorized Orderable Codes</b>																	
• L1/3	Up to 20 characters /sec.	2/8 parallel	-	1Q70	Transmission of numeric data	-	Voice	Yes	No	Yes	No	Integrated	Yes	No	ID194, IDC60-01 J202		
• L1A/3	"	"	-	"	"	TOUCH-TONE version of L1/3	"	"	"	"	"	"	"	"	"		
• L1/4	"	"	-	"	"	Same as L1/3 except has Tone Answerback. Replaces 401A1	-	-	-	-	-	-	-	-			
• L1A/4	"	"	-	"	"	Same as L1/4 except has TOUCH-TONE dial	-	-	-	-	-	-	-	-			
• L1/2/3	up to 20 characters /sec.	3/14 parallel	-	1Q70	Transmission of alpha-numeric data	Replaces 401E3	Voice	Yes	No	Yes	No	Integrated	Yes	No	"		
• L1A/2/3	"	"	-	"	"	TOUCH-TONE version of L1/2/3 Replaces 401E5	"	"	"	"	"	"	"	"			
• L1/2/4	"	"	"	"	"	Tone A/B Replaces 401E2	"	"	"	"	"	"	"	"			
• L1A/2/4	"	"	"	"	"	Same as L1/2/4 except has TOUCH-TONE dial Replaces 401E4	"	"	"	"	"	"	"	"			
402A Trans.	Up to 75 characters /sec.	FSK; 8-channel parallel	Now	Medium speed parallel data transmission	-	-	"	"	"	"	"	Yes	"	"	1D005- Iss. 9	6990	594-016-100 594-016-200 594-016-300 594-016-500
402B Rcvr.	"	"	-	Manufacture discontinued	"	Replaced by 402D	"	"	"	"	"	Separate	"	"	1D006- Iss. 12	6990	594-017-100 594-017-200 594-017-300 594-017-500
402C Trans.	"	FSK; parallel	-	Now	Medium speed parallel data	Same as 402A W/unatt. ans., remote test compatibility W/ACU's	"	"	"	"	"	Integrated	"	"	1D039	7238	594-019-100 594-019-200 594-019-300 594-019-500
402D Rcvr.	"	"	-	"	"	Supersedes 402B. Contains unatt. ans., remote test, compatibility W/ACU's	"	"	"	"	"	Uses 804A	"	"	1D040	7288	594-020-100 594-020-200 594-020-300 594-020-400 594-020-500
403A1 Rcvr.	Up to 10 characters /sec.	2/8 parallel	-	Manufacture discontinued (T.T. Signals)	Reception of numeric data	Voice answer-back, ring indicator or out of service lead, talk-off protection, use with T.T. input, two receivers per cabinet	"	"	"	"	"	Separate	"	No	1D072	7497	594-023-100 594-023-200 594-023-300 594-023-500
403A2 Rcvr.	"	"	"	"	"	Same as above except one receiver per cabinet, use with DAS 804C1	"	"	"	"	"	"	"	"	1D072	7497	594-023-100 594-023-200 594-023-300 594-023-500
403A3 Rcvr.	"	"	"	Manufacture discontinued	"	Same as above except two receivers per cabinet, use with DAS 804C2	"	"	"	"	"	"	"	"	1D072	7497	594-023-100 594-023-200 594-023-300 594-023-500
403D3 Rcvr.	"	"	-	Now	Reception of numeric data	Tone or voice answer-back, replacement for 403A type, use in KS20093 cabinet	"	"	"	No	"	"	"	"	1D094	51	594-025-100 594-025-111 594-025-101 594-025-201 594-025-301 594-025-501

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Data Set Code	Speed	Transmission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements						Interface Circuitry		References		
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	B.S.P.	
403D4 Revrs.	Up to 10 characters /Sec.	2/8 parallel	-	Now	Reception of numeric data	For use in single receiver cabinet, becomes 403E2	Voice	Yes	No	Yes	Yes	Separate	Yes	No	ID094	.51	594-025-100 590-100-111 594-025-101 594-025-201 594-025-301 594-025-501	
403D5 Revrs.	"	"	-	"	"	Same as 403D3 binary coded matrix output	"	"	"	"	No	"	"	No	Yes	ID094	-	594-025-100 590-100-111 594-025-101 594-025-201 594-025-301 594-025-501
403D6 Revrs.	"	"	-	"	"	For use in single receiver cabinet, becomes 403E3, BCM output	"	"	"	Yes	"	"	"	"	"	ID094	-	594-025-100 590-100-111 594-025-101 594-025-201 594-025-301 594-025-501
403D7 Revrs.	"	"	-	"	"	ASCII output for teletypewriter station, for use in KS20093 cabinet	"	"	"	No	"	"	"	"	"	ID094	194	594-025-100 590-100-111 594-025-101 594-025-201 594-025-301 594-025-501
403D8 Revrs.	"	"	-	"	"	For use in single receiver cabinet, becomes 403E4, ASCII output	"	"	"	Yes	"	"	"	"	"	ID094	194	594-025-100 590-100-111 594-025-101 594-025-201 594-025-301 594-025-501
403E2 Revrs.	"	"	-	"	"	Single receiver installation, use with 804C Data Aux. Set, replacement of 403A	"	"	"	"	"	"	"	Yes	No	ID094	.51	590-100-110 594-026-100 594-026-200 594-026-300 594-026-500
403E3 Revrs.	"	"	-	"	Reception of numeric data	Single receiver installation, use with 804C Data Aux. Set, replacement of 403A BCM output	"	"	"	"	"	"	"	No	Yes	ID094	.51	590-100-110 594-026-100 594-026-200 594-026-300 594-026-500
403E4 Revrs.	"	"	-	"	"	ASCII output for teletypewriter station	"	"	"	"	"	"	"	"	"	ID094	194	590-100-110 594-026-100 594-026-200 594-026-300 594-026-500
• X403F1 Trans.	"	TOUCH-TONE	Now	-	DATA-PHONE service. Provides monitor contacts in response to depression of a button on the TOUCH-TONE dial	Compatible with 403A, 403D, 403E receivers	"	"	"	"	No	Integrated	Yes	No	ID150	-	T.I. #310	

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PIL or EL	E.S.P.
6045B1 Trans. Revr.	Up to 20 characters /sec.	2/10 parallel	Limited quantities now	Used with 303 type wideband data station equip. in certain FAX applications	"	"	No	Yes	"	"	"	Separate	-	Yes	1D069 1D060	7516	594-024-100
X406A Trans.	Parallel to 10 char/sec. Serial to 150 B/sec.	Parallel or serial	Now	-	Residential meter reading - residential end	-	"	Yes	No	No	Yes	-	Yes	No	-	-	TI-314
X406B Trans. Revr.	"	"	"	-	Residential meter reading - computer end	-	"	"	"	"	"	Integrated	No	Yes	-	-	TI-314
● 60205 Trans. Revr.	Analog (up to 1000 Hz baseband bandwidth)	FM	-	Now	Faxsimile	Sync. channel can be disabled when not required	"	"	"	Yes	"	"	-	-	1D081	7520	596-016-100 596-016-200 596-016-300 596-016-500
● 60206 Trans. Revr.	"	"	-	"	"	Sync. channel can be disabled when not required. Also has reverse channel signalling feature	"	"	"	"	"	"	-	-	1D081	7520	596-016-100 596-016-200 596-016-300 596-016-500
● 60207 Trans. Revr.	"	"	-	"	"	Identical to 60205 except has TOUCH-TONE dial	"	"	"	"	"	"	-	-	1D081	596-016-100 596-016-200 596-016-300 596-016-500	
● 60208 Trans. Revr.	"	"	-	"	"	Identical to 60206 except has TOUCH-TONE dial	"	"	"	"	"	"	-	-	1D081	596-016-100 596-016-200 596-016-300 596-016-500	
● 60209 LL & LLA Transceiver	Analog (up to 1000 Hz baseband bandwidth)	FM	-	Now	Faxsimile	No synch or Reverse Channel has forward signalling channel	Voice	Yes	No	Yes	No	Yes	-	-	1D158-01	271	596-020-100 596-020-200 596-020-300 596-020-500 596-006-105 596-106-506 668-106-500
603A1, A2 Trans.	Analog (up to 105 Hz baseband)	"	"	"	Electro-cardiogram transmission	Has electrical and audible/visible reverse channel receiver	"	"	"	"	"	No	"	"	1D075	7474	596-012-100 596-012-200 596-012-300 596-012-500
● 603B3, B4 Revr.	"	"	"	"	"	Has electrical and key operated reverse channel transmitter	"	"	"	"	Yes	"	"	"	1D071	7474	596-013-100 596-013-200 596-013-300 596-013-500
603D1 Trans. Portable	"	"	"	"	"	Has audible/visible reverse channel	"	Uses Tel. Set	"	No	No	No - acoustically coupled	"	"	1D077	7474	596-014-100 596-014-200 596-014-300 596-014-500
● 604A3 Trans.	3 ch. analog (up to 105 Hz baseband)	"	"	"	"	Has electrical and visually/audible reverse channel - interterm model	"	Yes	"	"	Yes	Integrated	"	"	1D105	188	596-C17-100 596-017-200 596-017-300 596-017-500

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	B.S.P.	
604B3 Revr.	3 ch. analog (up to 105 Hz base-band)	FM	Now	Electro-cardiogram transmission	Has electrical and visual/audible reverse channel - interim model	Voice	Yes	No	Yes	Yes	Yes	Integrated	1D101	188	598-018-100 598-018-200 598-018-300 598-018-500			
801A1-f5 Auto. Calling Set	-	Dial pulses	-	A1 thru A4 Mfg. Disc. A5 & A6 Now	Business - machine dialing	-	-	"	"	-	"	None	Yes	Yes	1D042 1D082	7265 7555	598-010-100 598-010-101 598-010-200 598-010-201 598-010-300 598-010-301 598-010-400 598-010-500 598-010-501	
801C1-C4 Auto. Calling Set	-	TOUCH-TONE pulses	-	C1 & C2 Mfg. Disc. C3 & C4 Now	"	-	-	"	Yes	-	"	-	-	1D035 1D103	7438 7558 16	598-012-100 598-012-101 598-012-150 598-012-200 598-012-201 598-012-300 598-012-301 598-012-400 598-012-500 598-012-501		
803A Data Aux. Set	-	-	-	"	Line and test key for wide-band data systems <sup>a</sup>	Permits test thru data set back to back also loops line	Wideband	-	"	Yes	-	-	-	-	1D036	7322	598-025-100	
804A Data Aux. Set	-	-	-	"	Tel. & line cont. for Data Sets 202, 402 & 201A3 & 4 & 303A	-	Voice	Yes	"	"	Yes	Yes	-	-	1D041 1D288	7287 7288	598-030-100	
804B Data Aux. Set	-	Dial pulses	-	Now	Telephone and control for Data Set 103A and 202B	-	-	"	"	No	"	"	-	-	1D051	7189	598-031-100	
804C Data Aux. Set	-	"	-	A&M	Telephone and control for Data Set 403A	-	-	"	"	"	"	Yes	"	-	-	1D074		598-039-100 598-039-200 598-039-300 598-039-500
804G1 Data Aux. Set	-	"	-	Now	Telephone and control for Data Set 403E	-	-	"	"	"	"	"	-	-	1D102	51	598-048-100	
804G2 Data Aux. Set	-	TOUCH-TONE dial	-	"	"	-	-	"	"	"	"	"	-	-	1D102	51	598-048-100	
804K1 Data Aux. Set	-	Dial pulses	-	"	Telephone and control for Data cabinet Set 403D	Use with KS20093	"	"	"	No	"	Yes	-	-	1D109	51	598-055-100	
804X2 Data Aux. Set	-	TOUCH-TONE dial	-	"	"	-	"	"	"	"	"	"	-	-	1D109	51	598-055-100	
804L1 Data Aux. Set	-	TOUCH-TONE	-	"	4-W switched or P.L. svc. 202D, 205B2, 301B2, 303-type	Mult. data set control use W/4A, 5A, 6A data mtg.	"	No	Yes	Yes	No	"	-	-	1D110	-	598-055-100 598-055-200 598-055-300 598-055-500	
804M1 Data Aux. Set	-	Dial pulses	-	"	Tel. & line control Data Sets 205B2, 301B2, 303-type	4-wire only	"	"	"	"	Yes	"	-	-	1D111	31	598-057-100 598-057-200 598-057-300 598-057-500	
804M2 Data Aux. Set	-	TOUCH-TONE	-	"	"	"	"	"	"	"	"	"	-	-	1D111	31	598-057-100 598-057-200 598-057-300 598-057-500	

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Data Set Code	Speed	Trans-mission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements				Interface Circuitry		References		
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	FEL or EL
806A Data Aux. Set	-	DC or AC	Now	Remote testing of 4-wire private lines	DC 2800 or 2400 CPS operation			Yes							7393	598-034-100 598-034-200 598-034-300 598-034-400 598-034-500
806B( ) Data Aux. Set	-	-	"	Used with 303-type wideband data sets	Contains jacks and provides remote tests for testing on wideband channels and associated voice freq. coord. channel										1D097 1D098 1D060	7516 598-042-100
806B5 Data Aux. Set	-	-	"	Used with 303B-type wideband data sets	Same features as above. The DAS 806B5 interfaces directly with customer equipment and the new interface is the same as that provided in the Data Set 303-type.										1D097 1D098 1D060 1D126	EM437 593-011-100 593-011-200 593-011-300 593-011-500
807A Data Aux. Set	-	-	Now	"	Used with 303A-type wideband data sets	This is a cabinet that can house 303A-type Data Sets and associated data aux. sets (incl. Data Set 401J). Has cables for interconnecting all units									ES-1D065-02	Trial instruction No. 249
809B1 Data Aux. Set	-	-	-	"	Used with 303B-type wideband data sets	Accepts restored polar output of 303B-type Data Sets and delivers vestigial sideband signal to wideband facilities	Half group band	Yes							1D067 1D060	7516 598-034-100
X810C Data Aux. Set	-	Serial	Now	-	Used with Data Set X203A1	Forward acting error control system	Voice									
811B Data Aux. Set	See 101A, B, C		Now	Interim prod.	CPT-TWX station arrangement	This enables customer provided terminal to be used on regular TWX network 3 or 4 row service		See 101A, B & C type sets		No	Yes EIA	3D047 EM966	EL25 598-049-100 598-049-200 598-049-300 598-049-500			
811C Data Aux. Set	Up to 150 Baud		"	-	PL TIC at Hub office	Interface between 105B or 109B and Hub						Type 2	Yes	70963	58 J12-801-100	
● 811D1 Data Aux. Set	2400 BPS	PM; Serial	-	Now	With 205C2	Provides compatibility with 207	Voice	Yes Yes Yes No	-	-	-	Yes M1. 1388	1D146-01 61864-01 1D060-01	EM860 598-041-100 598-041-200 598-063-300 598-063-500		
● 811F1L Data Aux. Set	2400 BPS	PM; Serial	-	Now	With 207	Used on Autovon Network	"	No	"	"	"	-	-	1D165-01	598-070-100 598-070-200 598-070-300 598-070-500	
816A Data Aux. Set	"	Used with 130 type sub. set	"	"	150 Baud channel single termina-tion	This enables customer provided equipment to interface with 150 baud channels		Based on 130 set arrangement		No	Yes EIA	3D023 EM042	598-041-100 598-041-200 598-041-300 598-041-500			
816B Data Aux. Set	"	"	"	"	Up to ten 150 baud channel terminations	"		"		-	-	3D023 EM042	598-041-100 598-041-200 598-041-300 598-041-500			
820D1 Data Aux. Set	"	Serial	-	"	Single termina-tion	Provides power, mount-ing, Used for plug-in control for plug-in Data Sets 108A, 108C and 109A	-	-	-	-	-	Current Yes EIA	3D031	58 598-058-100		
820E1 Data Aux. Set	"	"	-	"	Multiple (?) terminations	Used with Data Sets 105A, 108C and 109A	-	-	-	-	-	-	3D031	58 598-059-100		
820E2 Data Aux. Set	"	"	"	"	"	"	-	-	-	-	-	"	"	"	"	
X822A1 Data Aux. Set	-	-	Now	Automatic equalizer for use with Data Set X203A1	Automatic equalizer to optimize transmission		-	-	-	-	-	-	-	-	-	

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	FML or ML	B.S.P.
X323A1 Data Aux. Set	Up to 150 baud	FM; Serial	Now	"	Simultaneous re-verse channel for use with Data Set X203A1	-	-	-	-	-	-	-	-	-	-	-	-
8244 Data Aux. Set	50 Kb/s	Serial	Now	"	Secure speech service	Connects 4-wire customer interface to 6-wire transmission facility	Group band	-	-	-	-	-	-	-	1D134-01	99	598-060-100
8248 Data Aux. Set	18.75 Kb/s	"	"	"	Provides contact closure when 18.75 Kb/s binary signal is present	Half group band	-	-	-	-	-	-	-	-	1D134-01	99	598-060-101

## DATA TEST EQUIPMENT

901A Test Set	Mfg. Disc.	Interface adapter; provides access to interface	"MD" replaced by 901B	73002	6904	107-100-100
901B Test Set	Now	"	Replaces 901A	73002	7057	107-100-100
902A Test Set	Mfg. Disc.	Distortion measuring and error checking	Replaced by 902B	73000	6777	107-300-100
902B Test Set	Mfg. Disc.	"	Replaced by 902C	73000	7057	107-300-100
902C Test Set	Mfg. Disc.	"	Replaces 902A & B		62	AA282,821
903A Test Set	Mfg. Disc.	63-bit serial word generator	Replaced by 903B	73001	6777	107-200-100
903B Test Set	"	"	Replaced by 903C	73001	7057	107-200-100
903C Test Set	Now	"	Replaces 903A & B		62	AA282,822
904A Data Test Center	"	To perform loop-back tests	Cabinet mtd.	73013	7110	AA282,827
					7362	668-100-100
					63	668-100-500
						205-105-501
904B Data Test Center	"	To perform dynamic tests	"	73014	7110	AA282,827
					7362	668-100-100
					63	668-100-501
						205-105-501
904C Data Test Center	"	To perform loop-back tests	Rack mounted	73013	7110	AA282,827
					7362	668-100-100
					63	668-100-500
						205-105-501
904D Data Test Center	"	To perform dynamic tests	"	73014	7110	AA282,827
					7362	668-100-100
					63	668-100-501
						205-105-501
904E Data Test Center	"	To perform loop-back and dynamic tests	Intended for 4-wire switching system 307	73033	-	AA282,827
						668-200-100
						668-200-500
905A Data Test Set	1050 B/sec.	"	For use in test centers to test DATASPEED tape senders and receivers	Mfrd. by Teletype Corp. (rack mtd.)	7084	107-201-100
						314-825-502
						748,401
						834,401

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	B.S.P.	
905B Data Test Set	1050 B/sec.			Now	Used in testing DATASPEED tape senders and receivers	Mfrd. by Teletype Corp. (portable)									7084	104-201-100 314-825-502		
905C Data Test Set	"			"	Used with 1A Data Selective Calling System	"										-	107-203-100	
906A Test Eqpt.	-			"	Data distortion measuring eqpt. for BI Data Trunking System	Part of 20A toll test board									73022	107-202-100 AA222.823		
907A Test Set	-			"	For use in testing 4-row TTY service										71023	-	107-301-100 AA222.826	
908A Test Set	-			"	Portable pulse indicator test set	Testing of BI Data Trunking System									73021	-	AA222.824	
909A Test Oscillator-Circuit	-			"	Generates test signals	Part of 20A test board									73024	AA222.825 107-202-100 107-202-500		
911A Data Test Set	Up to 150 Bauds	Serial	-	"	Portable PL TTY test sentence generator & distortion meas. set	Test all common teletypewriter codes and speeds							Yes	Yes	70937 70938	103-813-100 103-813-101		
911B Test Sentence Generator	"	"	-	"	Portable test sentence generator for PL TTY	Generates all common TTY codes & speeds							"	"	PDM 9156	103-813-100 103-813-101		
911C Distortion Measuring Set	"	"	-	"	Portable distortion measuring set for PL TTY	Measures all common TTY codes and speeds										103-812-100 103-813-101		
911D Distortion Measuring Set	"	"	-	"	Distortion meas. set for Hub type service boards	"									PDM 9166	103-813-100 103-813-101		
● 911E Distortion Measuring Set	-	"	-	"	Distortion meas. set at #1 ESS ADF	"									70950	-	AA222.830	
● 911F Distortion Measuring Set	"	"	-	"	Distortion meas. set at #2, #9B & D.O.T.C. service boards	Measures all common TTY speeds and codes									70952	70	AA222.830	
● 911G Test Sentence Generator	"	"	-	"	Test sentence generator at #2, #9B & D.O.T.C. service boards	Generates all common TTY speeds and codes									70953	70	AA222.830	
● 911J Data Signal Distortion Set	"	"	-	"	Distortion introducing set used at #2, #9B D.O.T.C. service boards	Regenerates and pre-distorts all common TTY speeds and codes									70954	70	AA222.830	
912A Wideband Kb/s to 2 Mb/s Data Test Set				"	Testing wide-band data systems	Word generator and evaluator									73047 7508	AA222.833 107-400-100		

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL
913A Data Test Set	75 Char./Sec		Now	Testing parallel data systems	Parallel adaptor for use with 902 and 903									70348	7549	AA282.834 107-401-100
• 914B Data Test Set	Up to 20 Kb/s	All	"	Portable voice-band combinations send-receive test set										73056	278	107-101-100

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